

Focus Area 3: Lung Cancer

Objective 3-2 targets an overall reduction in the lung cancer death rate to 43.3 per 100,000 population.

California's age-adjusted death rates for lung cancer declined significantly from 46.7 per 100,000 population in 2000 to 40.6 per 100,000 in 2004 (Figure 3-2, Table 3-2). California's lung cancer death rates have declined to a level below the HP2010 target of 43.3 per 100,000 population, and this objective is being achieved for the total population.

Age-adjusted lung cancer death rates for males are significantly higher than rates for females, and also significantly higher than the HP2010 target. The death rates for both genders declined significantly between 2000 and 2004: the rate for males declined from 59.1 per 100,000 population in 2000 to 49.4 per 100,000 in 2004; the rate for female declined from 37.6 per 100,000 in 2000 to 33.8 per 100,000 in 2004. The HP2010 lung cancer objective is being achieved for females, but not for males.

California data by race and ethnicity show that African Americans/Blacks have significantly higher age-adjusted lung cancer death rates than any other racial or ethnic group. Death rates for African Americans/Blacks declined significantly from 63.2 per 100,000 in 2000 to 53.4 per 100,000 in 2004. The next highest lung cancer death rates were found for Whites (47.7 per 100,000 in 2004), followed by Pacific Islanders (47.5 per 100,000 in 2004). These rates are significantly higher than the HP2010 target of 44.9 per 100,000 population and the objective is not being achieved for either of these racial groups, although there has been a statistically significant decline in the lung cancer death rate for Whites. The HP2010 objective for lung cancer death rates is being achieved for the Multirace population (10.7 per 100,000 in 2004), Hispanics/Latinos (20.5 per 100,000 in 2004), American Indians/Alaska Natives (22.1 per 100,000 in 2004), and Asians (27.4 per 100,000 in 2004).

For more information on lung cancer in California, visit the California Cancer Registry Web site at:

<http://www.ccrca.org/>

For more information on Healthy People 2010 objective 3-2, please visit:

<http://www.healthypeople.gov/Document/HTML/Volume1/03Cancer.htm>

and

<http://www.healthypeople.gov/Document/html/tracking/od03.htm>

Figure 3-2
Lung Cancer Death Rates
California, 2000-2004

Healthy People 2010 Objective = 43.3

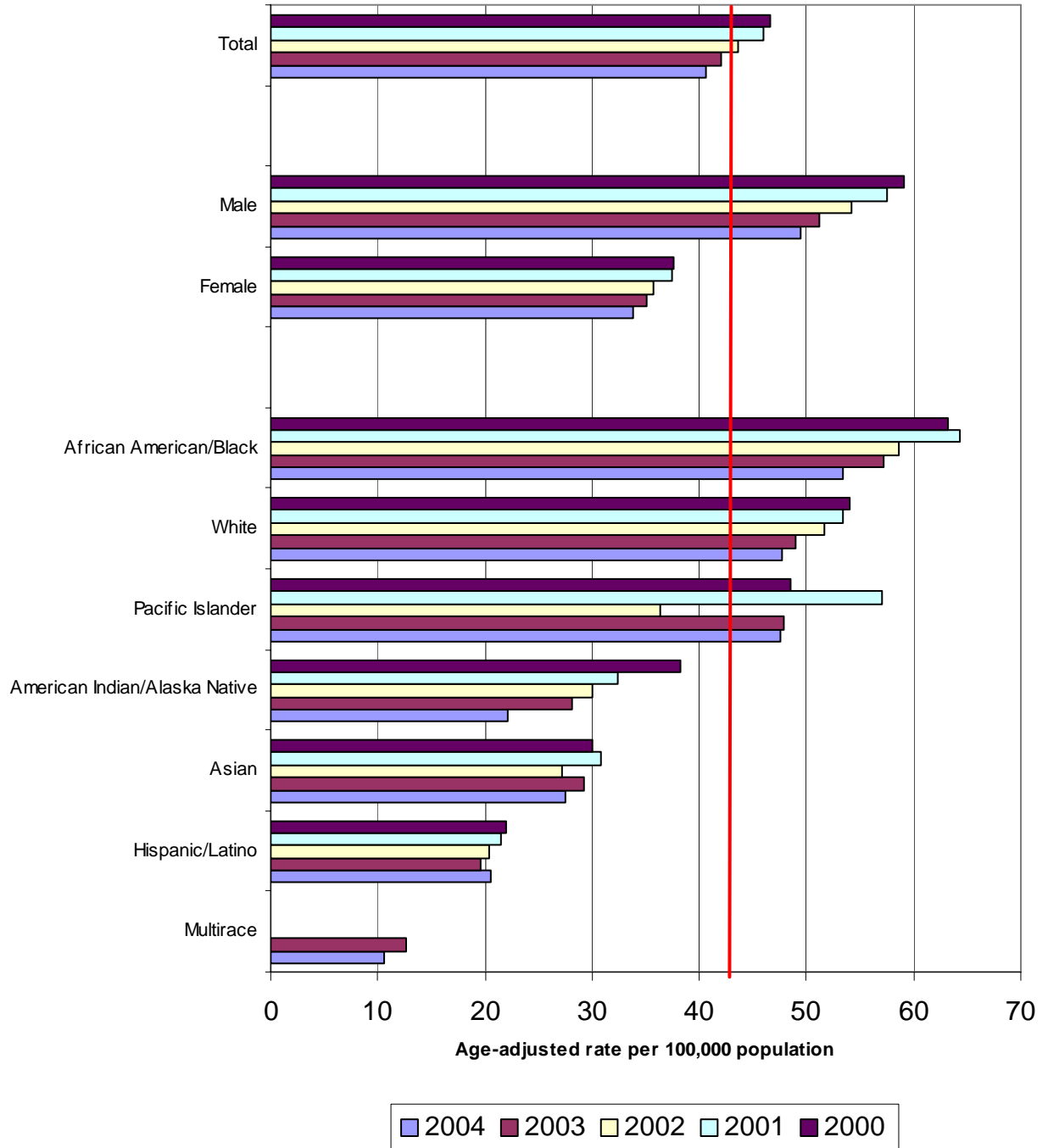


Table 3-2: Lung Cancer Deaths and Death Rates, California 2000-2004

Objective 3-2	2000		Lower 95% C.I.	Upper 95% C.I.	2001		Lower 95% C.I.	Upper 95% C.I.
	N	Rate ¹			N	Rate ¹		
Healthy People 2010 Target		43.3				43.3		
Statewide Total	13,662	46.7	45.9	47.4	13,966	46.0	45.2	46.8
Race-Ethnicity								
African American/Black	1,019	63.2	59.2	67.1	1,076	64.4	60.4	68.2
American Indian/Alaska Native	50	38.3	27.2	49.4	47	32.4	22.8	42.0
Asian	878	30.1	28.0	32.1	974	30.8	28.8	32.8
Hispanic/Latino	903	22.0	20.5	23.5	949	21.5	20.0	22.9
Pacific Islander	27	48.6	28.8	68.3	33	57.1	36.1	78.1
White	10,760	54.1	53.0	55.1	10,862	53.5	52.4	54.5
Multirace	23	7.7	4.5	11.0	20	DSU	-----	-----
Gender								
Female	6,216	37.6	36.7	38.6	6,403	37.5	36.6	38.4
Male	7,446	59.1	57.7	60.4	7,563	57.5	56.2	58.8

Objective 3-2	2002		Lower 95% C.I.	Upper 95% C.I.	2003		Lower 95% C.I.	Upper 95% C.I.
	N	Rate ¹			N	Rate ¹		
Healthy People 2010 Target		43.3				43.3		
Statewide Total	13,738	43.6	42.9	44.4	13,644	42.0	41.3	42.7
Race-Ethnicity								
African American/Black	1,018	58.6	55.0	62.3	1,024	57.2	53.7	60.8
American Indian/Alaska Native	50	30.0	21.4	38.6	53	28.1	20.3	35.9
Asian	918	27.2	25.4	29.0	1,036	29.2	27.4	31.0
Hispanic/Latino	957	20.5	19.1	21.8	990	19.6	18.4	20.9
Pacific Islander	28	36.3	21.8	50.9	36	47.9	31.3	64.6
White	10,745	51.6	50.6	52.6	10,448	49.0	48.1	50.0
Multirace	20	DSU	-----	-----	46	12.6	8.9	16.3
Gender								
Female	6,306	35.7	34.8	36.6	6,381	35.1	34.2	35.9
Male	7,432	54.2	53.0	55.5	7,263	51.2	50.0	52.4

Objective 3-2	2004		Lower 95% C.I.	Upper 95% C.I.	5-year Trend	HP2010 Objective Being Achieved?
	N	Rate ¹				
Healthy People 2010 Target		43.3				
Statewide Total	13,409	40.6	39.9	41.3	Sig. -	Yes
Race-Ethnicity						
African American/Black	1,004	53.4	50.0	56.8	Sig. -	No
American Indian/Alaska Native	48	22.1	15.6	28.6	Sig. -	Yes
Asian	1,024	27.4	25.8	29.1	ns	Yes
Hispanic/Latino	1,062	20.5	19.2	21.8	ns	Yes
Pacific Islander	40	47.5	32.1	63.0	ns	No
White	10,184	47.7	46.8	48.7	Sig. -	No
Multirace	38	10.7	7.2	14.1	n/a	Yes
Gender						
Female	6,254	33.8	33.0	34.7	Sig. -	Yes
Male	7,155	49.4	48.2	50.6	Sig. -	No

SOURCES: CA Department of Health Services, Death Records, 2000-2004; CA Department of Finance, Demographic Research Unit, Population Projections by Race/Ethnicity for California and Its Counties 2000-2050, May 2004.

NOTES: Lung cancer deaths defined by ICD-10 codes C33-C34 .

¹ Rate per 100,000 population, age-adjusted using the 2000 US population standard.

Sig. - Statistically significant decrease in age-adjusted death rates from 2000 to 2004.

Sig. + Statistically significant increase in age-adjusted death rates from 2000 to 2004.

ns No significant trend as measured by linear regression analysis; n/a Not applicable (fewer than five data points)

DSU Data statistically unreliable (Relative Standard Error greater than 23 percent).